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LOGINID:SSPTADMW1624

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN International *****

| | | | |
|--------------|----|-------------|---|
| NEWS | 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS | 2 | JAN 02 | STN pricing information for 2008 now available |
| NEWS | 3 | JAN 16 | CAS patent coverage enhanced to include exemplified prophetic substances |
| NEWS | 4 | JAN 28 | USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats |
| NEWS | 5 | JAN 28 | MARPAT searching enhanced |
| NEWS | 6 | JAN 28 | USGENE now provides USPTO sequence data within 3 days of publication |
| NEWS | 7 | JAN 28 | TOXCENTER enhanced with reloaded MEDLINE segment |
| NEWS | 8 | JAN 28 | MEDLINE and LMEEDLINE reloaded with enhancements |
| NEWS | 9 | FEB 08 | STN Express, Version 8.3, now available |
| NEWS | 10 | FEB 20 | PCI now available as a replacement to DPIC |
| NEWS | 11 | FEB 25 | IFIREF reloaded with enhancements |
| NEWS | 12 | FEB 25 | IMSPRODUCT reloaded with enhancements |
| NEWS | 13 | FEB 29 | WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification |
| NEWS | 14 | MAR 31 | IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats |
| NEWS | 15 | MAR 31 | CAS REGISTRY enhanced with additional experimental spectra |
| NEWS | 16 | MAR 31 | CA/CAPLUS and CASREACT patent number format for U.S. applications updated |
| NEWS | 17 | MAR 31 | LPCI now available as a replacement to LDPCI |
| NEWS | 18 | MAR 31 | EMBASE, EMBAL, and LEMBASE reloaded with enhancements |
| NEWS | 19 | APR 04 | STN AnaVist, Version 1, to be discontinued |
| NEWS | 20 | APR 15 | WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats |
| NEWS | 21 | APR 28 | EMBASE Controlled Term thesaurus enhanced |
| NEWS | 22 | APR 28 | IMSRSEARCH reloaded with enhancements |
| NEWS | 23 | MAY 30 | INPAFAMDB now available on STN for patent family searching |
| NEWS | 24 | MAY 30 | DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option |
| NEWS | 25 | JUN 06 | EPFULL enhanced with 260,000 English abstracts |
| NEWS | 26 | JUN 06 | KOREAPAT updated with 41,000 documents |
| NEWS EXPRESS | | FEBRUARY 08 | CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008 |
| NEWS HOURS | | | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | | | Welcome Banner and News Items |
| NEWS IPC8 | | | For general information regarding STN implementation of IPC 8 |

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:28:39 ON 11 JUN 2008

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 13:29:00 ON 11 JUN 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JUN 2008 HIGHEST RN 1026855-74-2

DICTIONARY FILE UPDATES: 9 JUN 2008 HIGHEST RN 1026855-74-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

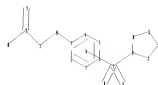
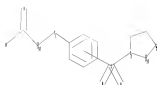
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10551930a.str



```

chain nodes :
7  8  9  10 11 12 13 14
ring nodes :
1  2  3  4  5  6  19  20  21  22  23
chain bonds :
3-10  7-9  7-8  7-19  10-11  11-12  12-13  12-14
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  19-20  19-23  20-21  21-22  22-23
exact/norm bonds :
3-10  7-9  7-8  7-19  10-11  11-12  12-13  12-14  19-20  19-23  20-21  21-22  22-23

normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6

```

G1:C,O

G2:C,N

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 16:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom

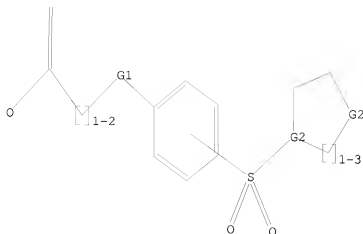
```

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,O

G2 C,N

Structure attributes must be viewed using STN Express query preparation.

=> s ll sss ful

FULL SEARCH INITIATED 13:29:51 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 428274 TO ITERATE

100.0% PROCESSED 428274 ITERATIONS

1400 ANSWERS

SEARCH TIME: 00.00.04

L2 1400 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

178.82

179.03

FILE 'CAPLUS' ENTERED AT 13:30:13 ON 11 JUN 2008

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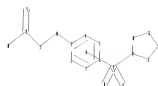
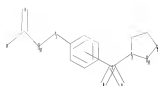
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FILE COVERS 1907 - 11 Jun 2008 VOL 148 ISS 24

FILE LAST UPDATED: 10 Jun 2008 (20080610/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>



```

chain nodes :
7 8 9 10 11 12 13 14
ring nodes :
1 2 3 4 5 6 19 20 21 22 23
chain bonds :
3-10 7-9 7-8 7-19 10-11 11-12 12-13 12-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 19-20 19-23 20-21 21-22 22-23
exact/norm bonds :
3-10 7-9 7-8 7-19 10-11 11-12 12-13 12-14 19-20 19-23 20-21 21-22 22-23

normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

```

G1:C,O

G2:C,N

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 16:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom

```

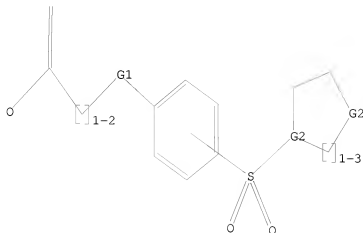
L5 STRUCTURE UPLOADED

=> que L5 AND L4

L6 QUE L5 AND L4

=> d 14
L4 HAS NO ANSWERS
L4 SCR 1992

=> d 15
L5 HAS NO ANSWERS
L5 STR



G1 C,O
G2 C,N

Structure attributes must be viewed using STN Express query preparation.

=> s 15
SAMPLE SEARCH INITIATED 13:34:59 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 21263 TO ITERATE

9.4% PROCESSED 2000 ITERATIONS 7 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 416531 TO 433989
PROJECTED ANSWERS: 971 TO 2005

L7 7 SEA SSS SAM L5

=> s 15 sss ful
FULL SEARCH INITIATED 13:35:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 428274 TO ITERATE

100.0% PROCESSED 428274 ITERATIONS 1400 ANSWERS
SEARCH TIME: 00.00.03

L8 1400 SEA SSS FUL L5

=>Testing the current file.... screen

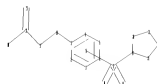
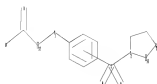
ENTER SCREEN EXPRESSION OR (END):end

=> screen 1993 AND 2006

L9 SCREEN CREATED

=>

Uploading C:\Program Files\STNEXP\Queries\10551930c.str



```
chain nodes :
7 8 9 10 11 12 13 14
ring nodes :
1 2 3 4 5 6 19 20 21 22 23
chain bonds :
3-10 7-9 7-8 7-19 10-11 11-12 12-13 12-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 19-20 19-23 20-21 21-22 22-23
exact/norm bonds :
3-10 7-9 7-8 7-19 10-11 11-12 12-13 12-14 19-20 19-23 20-21 21-22 22-23

normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
```

G1:C,O

G2:C,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 16:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom

L10 STRUCTURE UPLOADED

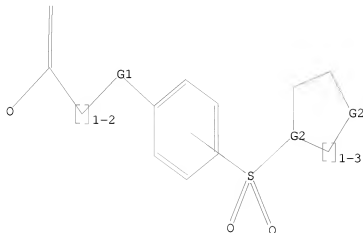
=> que L10 AND L9

L11 QUE L10 AND L9

=> d l10

L10 HAS NO ANSWERS

L10 STR



G1 C,O

G2 C,N

Structure attributes must be viewed using STN Express query preparation.

=> s l10 sss ful

FULL SEARCH INITIATED 13:38:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 428274 TO ITERATE

100.0% PROCESSED 428274 ITERATIONS

1400 ANSWERS

SEARCH TIME: 00.00.03

L12 1400 SEA SSS FUL L10

=>Testing the current file.... screen

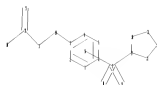
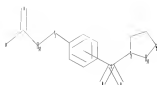
ENTER SCREEN EXPRESSION OR (END):end

=> screen 1993 AND 2008

L13 SCREEN CREATED

=>

Uploading C:\Program Files\STNEXP\Queries\10551930d.str



```

chain nodes :
7  8  9  10 11 12 13 14
ring nodes :
1  2  3  4  5  6  19  20  21  22  23
chain bonds :
3-10  7-9  7-8  7-19  10-11  11-12  12-13  12-14
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  19-20  19-23  20-21  21-22  22-23
exact/norm bonds :
3-10  7-9  7-8  7-19  10-11  11-12  12-13  12-14  19-20  19-23  20-21  21-22  22-23

normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6

```

G1:C,O

G2:C,N

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 16:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom

```

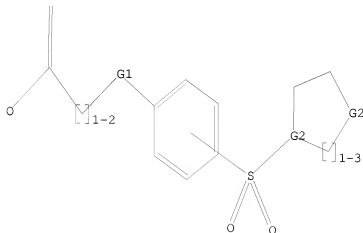
L14 STRUCTURE UPLOADED

=> que L14 AND L13

L15 QUE L14 AND L13

100% N2H4.H2O, heated 17 hrs. in a pressure bottle in a steam bath, gives 80% p-(benzylmercapto)benzhydrazide, m. 166°, whose p-tolylsulfonfyl derivative (VIII), m. 180° (96% yield). VIII (18 g.) in 95 cc. (CH2OH)2 at 160°, treated with 8.64 g. anhydrous Na2CO3 and heated 1 min., gives 80% p-(benzylmercapto)benzaldehyde (IX), very pale yellow, m. 70°. IX (8 g.), 6.3 g. hippuric acid, and 8 g. fused AcONa, treated with 50 cc. Ac2O, and heated 15 min. on the steam bath, give 74% 2-phenyl-4-[4-(benzylmercapto)-benzylidene]-5(4H)-oxazolone (X), orange, m. 186°; 14.9 g. X, boiled 10 min. with 1490 cc. 66% EtOH containing 1% NaOH, gives 96% α-benzamido-4-(benzylmercapto)-cinnamic acid (XI), m. 214°. XI (9.8 g.), 10 g. red P, and 200 cc. HI (d. 1.7), refluxed 3 hrs., the filtrate evaporated to dryness, the aqueous solution extracted with ether to remove BzOH, treated with 4 N iodine in KI, heated to boiling, and brought to pH 5 with NH4OH, give 88% crude disulfide, S(C6H4CH2CH(NH2)CO2H)2; reduction with Zn in 5 N HCl gives β-(p-mercaptophenyl)alanine, whose HCl salt (with 2 mols. H2O) decompose 222°. 3-Thianaphthenecarbonyl chloride (6.3 g.) in 30 cc. xylene, refluxed 4 hrs. with 3 g. 5% Pd-BaSO4 in a stream of H, gives 42.5% 3-thianaphthenecarboxaldehyde (XII), m. 54°. Me 3-thianaphthenecarboxylate (15 g.) and 9 cc. 90% N2H4.H2O in 37.5 cc. EtOH, refluxed 8 hrs., give 68% 3-thianaphthenecarboxyhydrazide, m. 176-7°; the p-tolylsulfonfyl derivative (XIII), m. 201-3°, 94%; 3.1 g. XIII in 15 cc. (CH2OH)2 at 160°, treated with 0.96 g. anhydrous Na2CO3, gives 63% XII; 0.7 g. XII, 1 g. Na hippurate, and 2.5 cc. Ac2O, heated 30 min. at 100°, give 2-phenyl-4-(3-thianaphthenylmethylene)-5(4H)-oxazolone (XIV), yellow, m. 219-20°; 0.8 g. XIV, 0.1 cc. HI, 0.2 g. red P, and 4.5 cc. AcOH, refluxed 1 hr., give 87% of the N-Bz derivative, m. 226-8°, of β-(3-thianaphthenyl)alanine (XV), m. 248-50° (decomposition). None of the above-mentioned NH2 acids inhibited the growth of Staphylococcus aureus or Escherichia coli in broth up to the limit of their solubility. Against Streptococcus hemolyticus in broth, XV inhibited growth at a dilution of 1 in 20,000; the other acids were very weakly active. VIA has a slight tuberculostatic action in vitro, but is less effective than (p-H2NC6H4)2SO2.

=> d 11
L1 HAS NO ANSWERS
L1 STR



G1 C, O
G2 C, N

Structure attributes must be viewed using STN Express query preparation.

=> d his

(FILE 'HOME' ENTERED AT 13:28:39 ON 11 JUN 2008)

FILE 'REGISTRY' ENTERED AT 13:29:00 ON 11 JUN 2008

L1 STRUCTURE UPLOADED
L2 1400 S L1 SSS FUL

FILE 'CAPLUS' ENTERED AT 13:30:13 ON 11 JUN 2008

L3 215 S L2

FILE 'REGISTRY' ENTERED AT 13:30:42 ON 11 JUN 2008

L4 SCREEN 1992
L5 STRUCTURE UPLOADED
L6 QUE L5 AND L4
L7 7 S L5
L8 1400 S L5 SSS FUL
L9 SCREEN 1993 AND 2006
L10 STRUCTURE UPLOADED
L11 QUE L10 AND L9
L12 1400 S L10 SSS FUL
L13 SCREEN 1993 AND 2008
L14 STRUCTURE UPLOADED
L15 QUE L14 AND L13
L16 471 S L15 SSS FUL

FILE 'CAPLUS' ENTERED AT 13:40:58 ON 11 JUN 2008

L17 53 S L16

=> logoff y

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 290.29 | 1011.32 |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| -42.40 | -42.40 |

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STN INTERNATIONAL LOGOFF AT 13:42:56 ON 11 JUN 2008